PRODUCT INFORMATION PACKET

Model No: 056H17T5302 Catalog No: Y535 Black Max® Inverter Duty Speed Ratio Motor, 1 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 56C Frame, TENV



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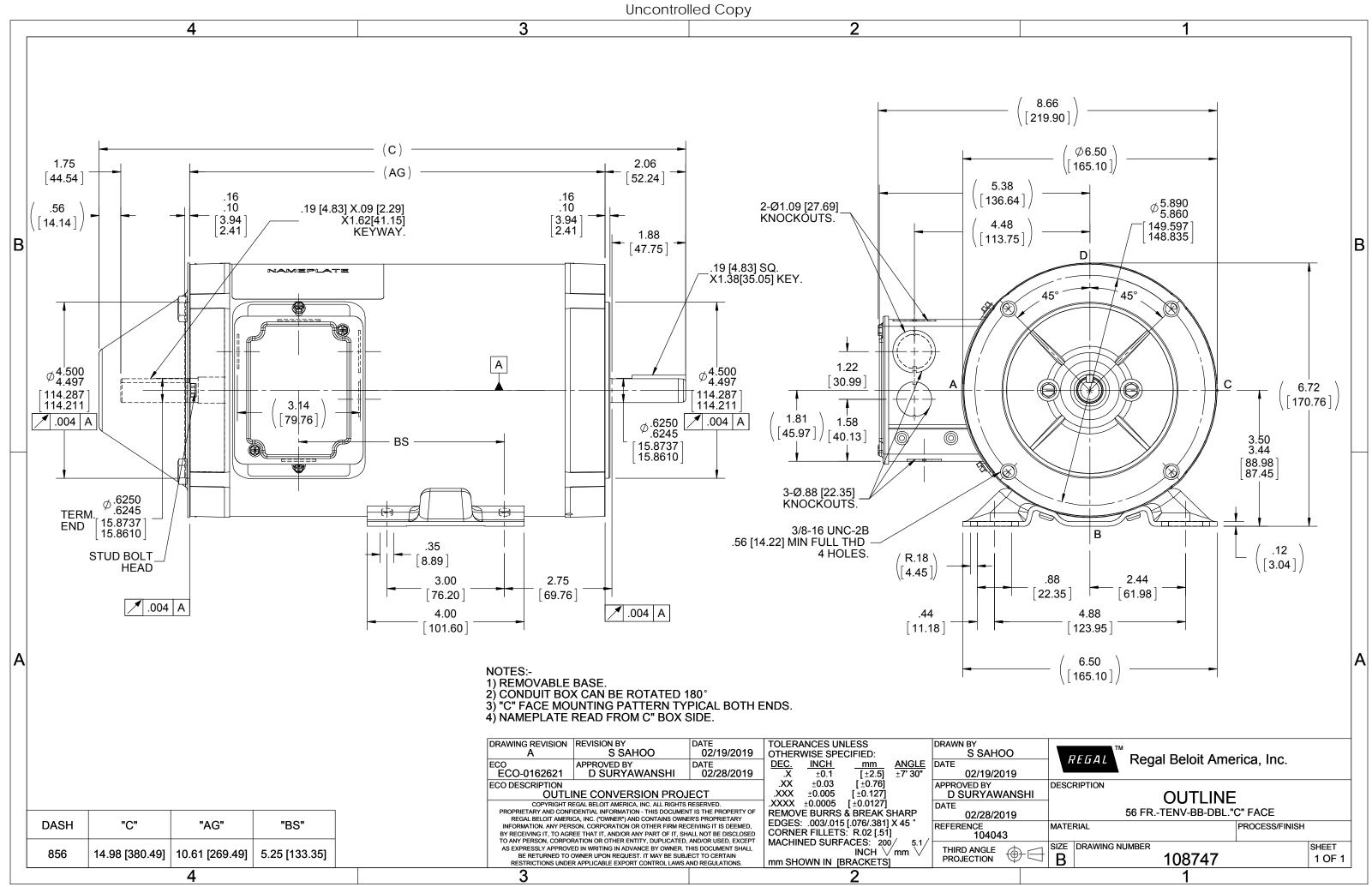
Nameplate Specifications

Output HP	1 Нр	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.0/1.5 A	Speed	1725 rpm
Service Factor	1	Phase	3
Efficiency	84 %	Power Factor	75
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	P
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Υ
CE	Y	IP Code	43
Number of Speeds	1		

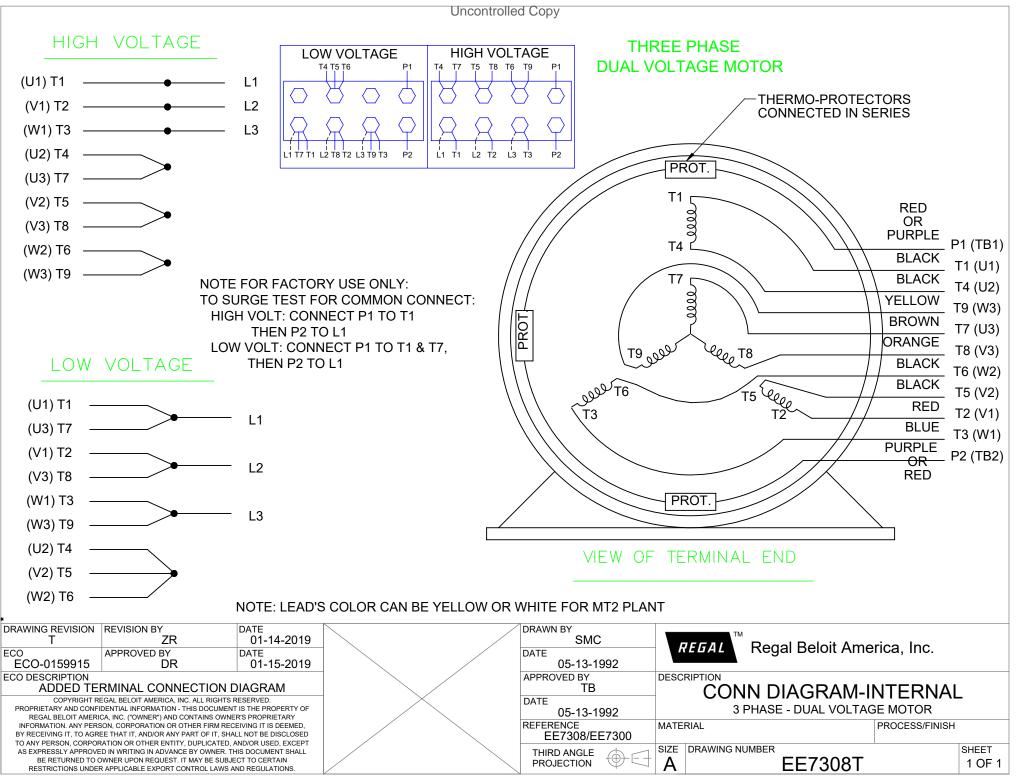
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	13.5 Ohms	Mounting	Bolt-on Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	14.98 in
Frame Length	8.56 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 1000:1		
Outline Drawing	B-108747-856	Connection Drawing	A-EE7308T

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CERTIFICATION DATA SHEET

Model#:	56H17T5302 E	WINDING#:	ZT472 TR 3
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1 ONLY
OUTLINE:	A-104043-856		

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw		SYNC. R	РМ	F.L. RPM	FRAM	1E	ENC	LOSURE	KVA	CODE		DESIGN
1		.75		1800		1725	56C	;		TENV		Р		INV
РН	н	lz	VOLT	'S FL	AMPS	START TYPE	DUTY		INSL		S.F	AMB°	с	ELEVATION
3	6	60	230/46	60	3/1.5	INVERTER	CONTINU	ου	F3		.0	40		3300
						ONLY	S							
FULL LOAD	EFF: 84	F: 84 3/4 LOAD EFF: 82.5 1/2 LOAD EFF: 78.5		AD EFF: 78.5	GTD. EFF ELEC		EC. TYPE N			DAD AMPS				
FULL LOAD	PF: 75	3/	4 LOAD P	PF: 65.5	1/2 L(DAD PF: 51	<u>ه</u>	31.5		SQ CAGE INV DUTY		TY	2/1	
F.L. TO	RQUE		LOCKE	ED ROTOR	AMPS	L.R. TORQUE B.D. TO		D. TORQUE			F.L. RISE°C			
3 LB	3-FT			30 / 15		10.8 LB-FT 360		FT 360 15 LB-FT 500			65			
SOUND PRESS @ 3 FT.		SOUN		R RO	TOR WK^	2 MAX	WK^2	SAFE	STALL	TIME	START /HOUE	-	APP	ROX. MOTOR WGT
62 dBA		7	2 dBA	0.1	1 LB-FT^2	0 LB	-FT^2		0 SEC.		0			39 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	ХМ
8.378	5.6232	10.7068	9.9116	278.036
RM	ZREF	XR	TD	TD0
11132.8	284	1.7	0.0071	0.136

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	BOLT-ON	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144	ROLLED STEEL
6203	6203					STRESSPROOF	
0200						(C-223)	

	THERMO-PF	OTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

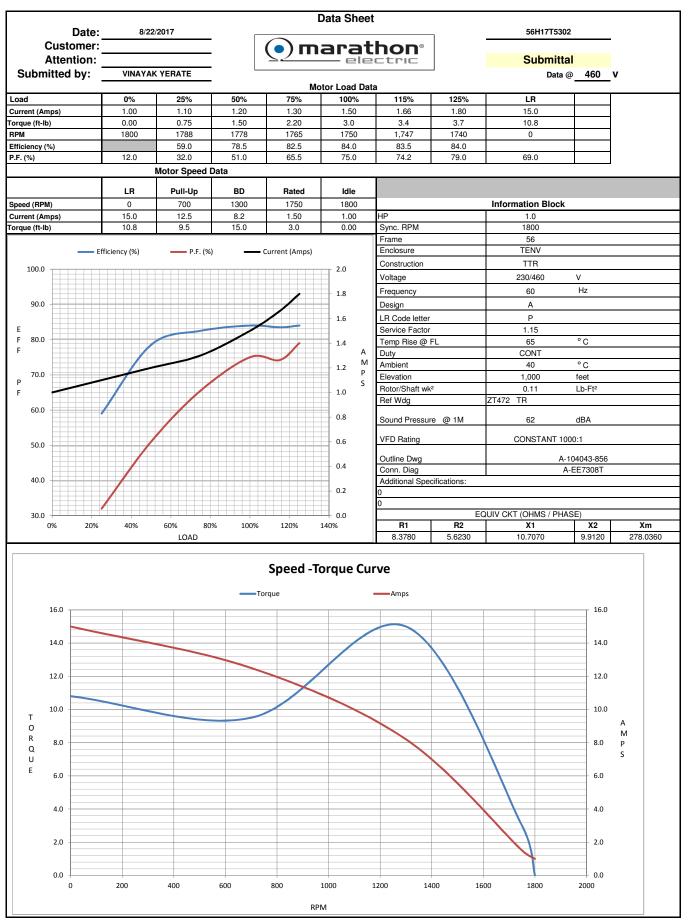
	information
	INVERTER TORQUE: CONSTANT 1000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED
т	ENCODER: PROVISIONS ONLY
	NORTHSTAR ST56
	NONE NONE PPR
S +	BRAKE: PROVISIONS ONLY NONE

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STEARNS	P/N NONE	
56,000	NONE	
10 FT-LB	NONE V	NONE Hz

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EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401 and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 056H17T5302

(Model No. may contain prefix and/or suffix characters)

Catalog No : Y535

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer